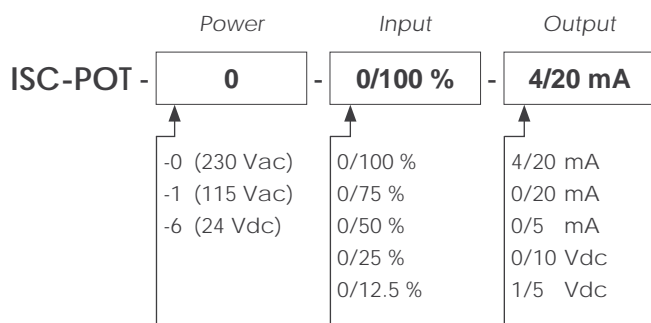


ISC-POT Signal converter for potentiometers

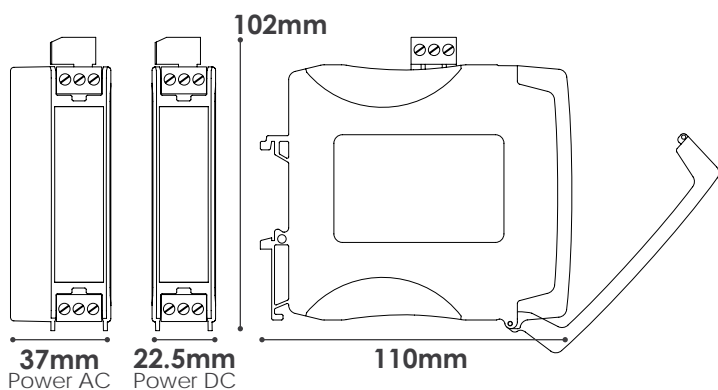
Signal converter for potentiometric signals, DIN rail mounting. Signal ranges starting at 12.5% of the potentiometer range and up to 100%. Output ranges in 4/20mA or 0/10Vdc. Provides excitation voltage for the potentiometer. Power options in AC and DC. High isolation between input, output and power circuits.



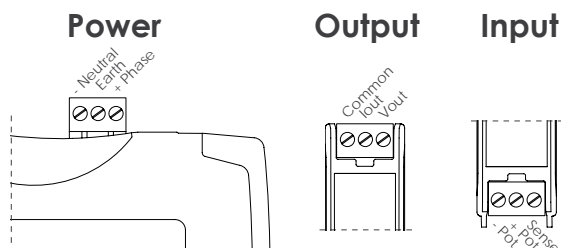
Order reference



Dimensions



Connections



Technical specifications

Input ranges*	Excitation voltage	Maximum oversignal
0/100 %	1 Vdc	15 Vdc
0/50 %	1 Vdc	15 Vdc
0/25 %	1 Vdc	15 Vdc
0/12.5 %	1 Vdc	15 Vdc

Output ranges*	Type	Load
4/20 mA	active	<400 Ohm
0/20 mA	active	<400 Ohm
0/10 Vdc	active	>1 K Ohm
0/1 Vdc	active	>1 K Ohm

* Intermediate input and output ranges are available, operating the Span and Offset potentiometers.

General

Signals	potentiometers
	maximum 1 MOhm
	minimum 100 Ohms
Accuracy	0.2% F.S.
Linearity	0.1% F.S.
Thermal drift	250 ppm/°C
Response time	<70mSec. (0% to 90% signal)
Bandwidth	20Hz (-3dB)
Excitation voltage	+1Vdc

Power

Power	230Vac, 115Vac and 24Vdc
Consumption	<3.8VA

Isolation*

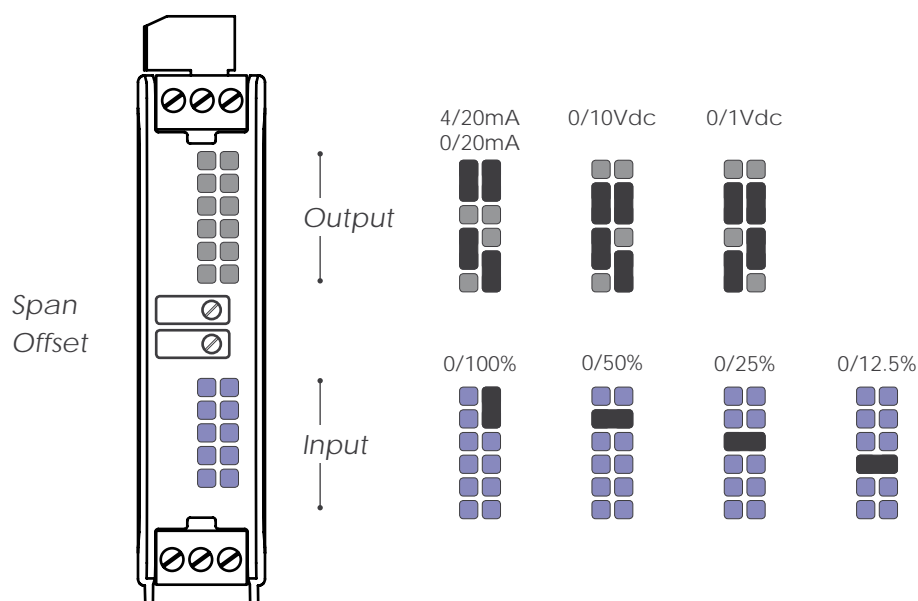
Input-output	3500Veff, optical
Power-input	3500Veff, galvanic
Power-output	3500Veff, galvanic (with AC power)
	1000Veff, galvanic (with DC power)

* instrument isolated 3 ways, isolation tested during 60 sec.

Mechanical

Mounting	DIN rail standard (35x7.5mm)
Connections	pug-in screw terminal
Weight	120 grams (with DC power)
	200 grams (with AC power)
Housing material	polyamide PA6 UL94 V2
Protection	IP30

Jumpers for range selection



Isolated signal converters Series ISC

	Model														
	ISC-LC	ISC-RES	ISC-HZ	ISC-POT	ISC-IDC	ISC-VDC	ISC-IAC	ISC-VAC	ISC-TS	ISC-TR	ISC-TE	ISC-TT	ISC-TK	ISC-TJ	ISC-PT100
Signals accepted															
Process															•
Pt100 / RTD															•
Thermocouple J														•	
Thermocouple K													•		
Thermocouple T												•			
Thermocouple E											•				
Thermocouple R										•					
Thermocouple S									•						
Voltages AC								•							
Currents AC							•								
Voltages DC						•									
Currents DC					•										
Potentiometers				•											
Frequency			•												
Resistances		•													
Load cells	•														

Meters for 4/20mA



Process panel meter
48x24mm - L35/A



Process panel meter
72x36mm - S40-P



Process panel meter
96x48mm - M40-P



Process meter
60mm digit - BDF-24



Process panel meter
100mm digit - BDF-44